

for one year in the study of problems in nutrition. These fellowships are to be known as the National Live Stock and Meat Board Fellowships of the National Research Council. The stipend of each fellowship is \$2,400, with \$300 additional to aid in covering the expenses of investigation. The administration of the fellowships has been placed in the hands of a committee of the division consisting of Dr. E. B. Forbes, chairman; Dr. C. Robert Moulton, and Dr. H. C. Sherman, from the committee on food and nutrition of the National Research Council. The committee proposes the following two subjects for investigation:

(1) The comparison of meat with other foods for blood regeneration.

(2) The comparison of meat with other high-protein foods in reproduction and lactation—to be studied by adding the high-protein foods to a basal mixed diet composed of ordinary foods.

The fellowships are open to applicants of promise, either men or women, and the awards will be made in accordance with the evidence submitted of ability to investigate the particular problems chosen, and the promise of success in the research as influenced by the choice of the laboratory in which the candidate proposes to carry on the study.

The work of the fellows is to begin on July 1, or as early thereafter as possible. Applications must be in the hands of the committee by June 1. Application blanks may be obtained from the executive secretary of the Division of Biology and Agriculture, National Research Council, Washington, D. C.

THE ACTIVITIES OF THE ROCKEFELLER FOUNDATION

THE following table presents a summary of the expenditures in 1923. A full financial statement will appear in the Foundation's Annual Report, which will be sent to any one who applies for it.

PUBLIC HEALTH

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|---|-------------|
| International Health Board—hook-worm disease, malaria, yellow fever, county health work, laboratory service, fellowships, etc. | \$2,332,511 |
| Mental hygiene | 52,153 |
| Hospital, Dispensary, and Nursing Studies..... | 161,504 |
| School of Public Health, Harvard University... | 618,750 |
| National Health Council | 9,350 |

MEDICAL EDUCATION

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|--|-----------|
| China Medical Board | 1,354,942 |
| Canadian Medical Program | 1,596,592 |
| London Medical Center | 621,472 |
| University of Chicago | 1,046,952 |
| Columbia University | 8,333 |
| Central Europe—Journals and Apparatus..... | 60,316 |

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|---------------------------------|---------|
| Pasteur Institute | 20,000 |
| Fellowships, studies, etc. | 202,403 |

MISCELLANEOUS

| | |
|--|--------|
| Concluding payments on ten-year pledges to educational enterprises | 37,500 |
| Concilium Bibliographicum, Zürich | 20,000 |
| Fellowships in Physics, Chemistry, and the Biological Sciences | 97,428 |
| National Information Bureau | 1,000 |

ADMINISTRATION

| | |
|-------------------------|-------------|
| Executive offices | 189,869 |
| Total | \$8,431,075 |

THE SECOND NATIONAL COLLOID SYMPOSIUM

THE second National Colloid Symposium will meet in Evanston, from June 18 to 21, as joint guests of Northwestern University and the Chicago Section of the American Chemical Society. The program will be in charge of the Committee on the Chemistry of Colloids of the National Research Council under the chairmanship of Professor Harry N. Holmes, of Oberlin College.

The symposium will commence at two o'clock on Wednesday afternoon, June 18. Papers will be given on Wednesday afternoon, Thursday morning and afternoon, Friday morning and afternoon, and Saturday morning. Special entertainment features are planned for Wednesday evening. Thursday evening will probably be left free for informal meetings. On Friday evening the visiting colloid chemists are to be invited to the June meeting of the Chicago Section. A special program is planned for that evening.

Arrangements have been made for the use of the Northwestern dormitories during the symposium. These dormitories are pleasantly located near the shore of Lake Michigan.

The program as arranged to date is as follows:

A. V. Bleining, of the Homer Laughlin China Company, Newell, West Virginia, on "The properties of clays."

Eugene C. Bingham, of Lafayette College, on "Fluidity and plasticity in colloid control."

W. D. Harkins, of the University of Chicago, on "Oriented adsorption."

E. O. Kraemer, of the University of Wisconsin, on "Brownian movement in gels" (with movie demonstration).

F. P. Hall, of the Massachusetts Institute of Technology, on "The effect of hydrogen-ion concentration on clay suspensions."

G. S. Whitby, of McGill University, on "The colloid chemistry of rubber." Exact title to be announced later.

George Bouyoucos, of the Michigan Agricultural College, on "Soil Moisture."

John Arthur Wilson, of Milwaukee, on "Activated sludge method of sewage disposal."

Harry N. Holmes, of Oberlin College, on "Emulsions."

Ross A. Gortner, of the University of Minnesota, on "Some aspects of acid and alkali binding by proteins."

Neil E. Gordon, of the University of Maryland, on "Soil adsorption."

Jerome Alexander, of New York, on "Bentonite and other colloidal clays."

Arthur I. Kendall, of Northwestern Medical School, on "Bacteria as colloids."

W. J. Kelley, of the Goodyear Rubber Company, on "The determination of size of particles and their distillation."

About six more papers are planned for the program. It is also hoped that a distinguished colloid chemist from abroad will attend as the guest of honor of the symposium.

THE STANFORD UNIVERSITY MEETING OF THE PACIFIC DIVISION AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

THE eighth annual meeting of the Pacific Division American Association for the Advancement of Science will be held at Stanford University June 25 to 28, 1924. The preliminary announcement just issued contains an interesting sketch of Stanford University, setting forth briefly its physical characteristics together with its educational advantages and equipment. As one of the great educational institutions of the west and a widely recognized center of research activities it is peculiarly adapted for the meetings of the various scientific societies which will hold sessions under the auspices of the Pacific Division. The large resident membership in the vicinity of California's two great universities assures good representation at this meeting and a general program of extraordinary interest has been arranged.

The usual research conference will be held at which it is planned to discuss several outstanding pieces of research which have been in progress during the year.

On Wednesday afternoon, June 25, a symposium will be presented on "Food Problems" with the following subjects and speakers:

(1) *Food economics.* Dr. Alonzo E. Taylor, director of the Food Research Institute, Stanford University.

(2) *Disposition of California food products.* Ralph P. Merritt, regent, University of California.

(3) *The vitamin problem.* Dr. H. M. Evans, professor of anatomy, University of California.

(4) *Aspects of the food situation in the Orient.* Dr. E. D. Merrill, professor of agriculture and dean of the College of Agriculture, University of California.

The address of the retiring president, Dr. David Starr Jordan, will be given on Wednesday evening, June 25, following an address of welcome by President Ray Lyman Wilbur, of Stanford University, and response by Dr. C. E. Grunsky, chairman of the executive committee. President Jordan will speak on "Science and sciosophy."

Following the address of the president the usual public reception will be held.

A feature of the general sessions will be an address by the distinguished parasitologist, Dr. George Henry Falkner Nuttall, of Cambridge University, England. Dr. Nuttall will speak on "Symbiosis" on Thursday evening, June 26.

Various excursions of scientific interest have been planned for Friday and Saturday, among which may be mentioned one to Lick Observatory. A cordial invitation has been extended to all members to visit the observatory on Friday evening, June 27. Transportation and a picnic luncheon will be provided and the evening will be set aside for the entertainment of the guests.

The university dormitories on the campus will be available at reasonable prices for sleeping accommodations and ample provision will be made for the comfort and entertainment of visitors.

The following scientific societies are scheduled to hold meetings during the convention:

American Chemical Society, California Section
Southern California Section
American Meteorological Society
The American Physical Society
Astronomical Society of the Pacific
The Ecological Society of America
Pacific Coast Entomological Society
Pacific Coast Branch, Society for Experimental Biology and Medicine
Pacific Division of the Plant Physiological Section of the Botanical Society of America
Pacific Slope Branch, American Association of Economic Entomologists
Seismological Society of America
Society of American Foresters
Utah Academy of Sciences
Western Society of Naturalists
Western Society of Soil Management and Plant Nutrition

SCIENTIFIC NOTES AND NEWS

ERNEST FOX NICHOLS, director of research, Nela Research Laboratories, Cleveland, died in Washington on the morning of April 29, while reading a paper before the National Academy of Sciences.

G. STANLEY HALL, president emeritus of Clark University, distinguished for his contributions to psychology, died on April 24, aged seventy-eight years.